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# Program 4 : Micro Catchment Participatory Planning to Prevent Flood Related

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CITATION:

LESTARININGSIH, Iva Dewi. Program 4 : Micro Catchment Participatory Planning to Prevent Flood Related. 教育啓蒙への  
利活用を考慮した防災技術情報アーカイブシステムの開発 2013: 共同研究（一般共同研究） 23G-01.

ISSUE DATE:

2013-06

URL:

<http://hdl.handle.net/2433/175530>

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# Program 4

## Micro catchment participatory planning to prevent flood related

**Proposer: Iva Dewi Lestariningsih**

- **Objectives:** The aim is to provide facilitation to the local community to manage their environment through making their own micro catchment plan.
- **Target:** Local government, NGO, community leaders
- **Type:** Group Discussion, Field Survey, Meeting
- **Project:** One week intensive lecture to learn about earthquakes and related disasters

### Process



#### 1. Pre activities

- # Teamwork building
  - a Involve multidisciplinary team members
  - b Agree on a “team contract”;  
Who should do what, when and how?
- # Data collection
- # Tools and material preparation
- # Permit preparation
- # Socialization dissemination



#### 2. Capacity building and community need assessment

- Some tools and techniques of Participatory Rural Appraisal (PRA) method help enhance the people insight and information about their own environment potencies and problems.
- # Drawing problem and potency map
  - # Assessment of the village or hamlet history
  - # Plan potency identification
  - # Define the seasonal calendar
  - # Discuss about watershed concepts : downstream and upstream connection, plant and hydrology relation, etc.



#### 3. Field assessment

- # Check and confirm the information provided during the class session
- # Assess other problems remaining in the field
- # Share information about soil and water conservation concepts in the field



#### 4. Micro catchment planning

Compile information, analyze and arrange the micro catchment planning



#### 5. Program submission

Community consultation program (e.g., meeting) to realize the micro catchment planning includes:

- # self-supporting mechanism
- # propose annual or 5-year programs to the government a
- # submit the plan for funding to institutions involved in watershed rehabilitation programs or flood handling programs

## Strengths and limitation

### Strengths

- # Micro catchment participatory planning guarantees the sustainability of the program.  
The local people's involvement from the beginning to the end of the program will create a sense of ownership of the program.
- # The concept of community building especially on the natural resources management will at once be resolved.
- # The method can be improved because many micro catchments need to be planned as well.

### Limitation

- # There may not be a standard method especially for choosing the PRA tools or techniques to facilitate the community because of the different social and biophysical conditions.

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### References

DRH 24, 58, 63

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